

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P332889-940

Luminaire Tested: **SA4XXRDIP-C350D1205U940-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332889-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXRDIP-C350D1205U940-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1205 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

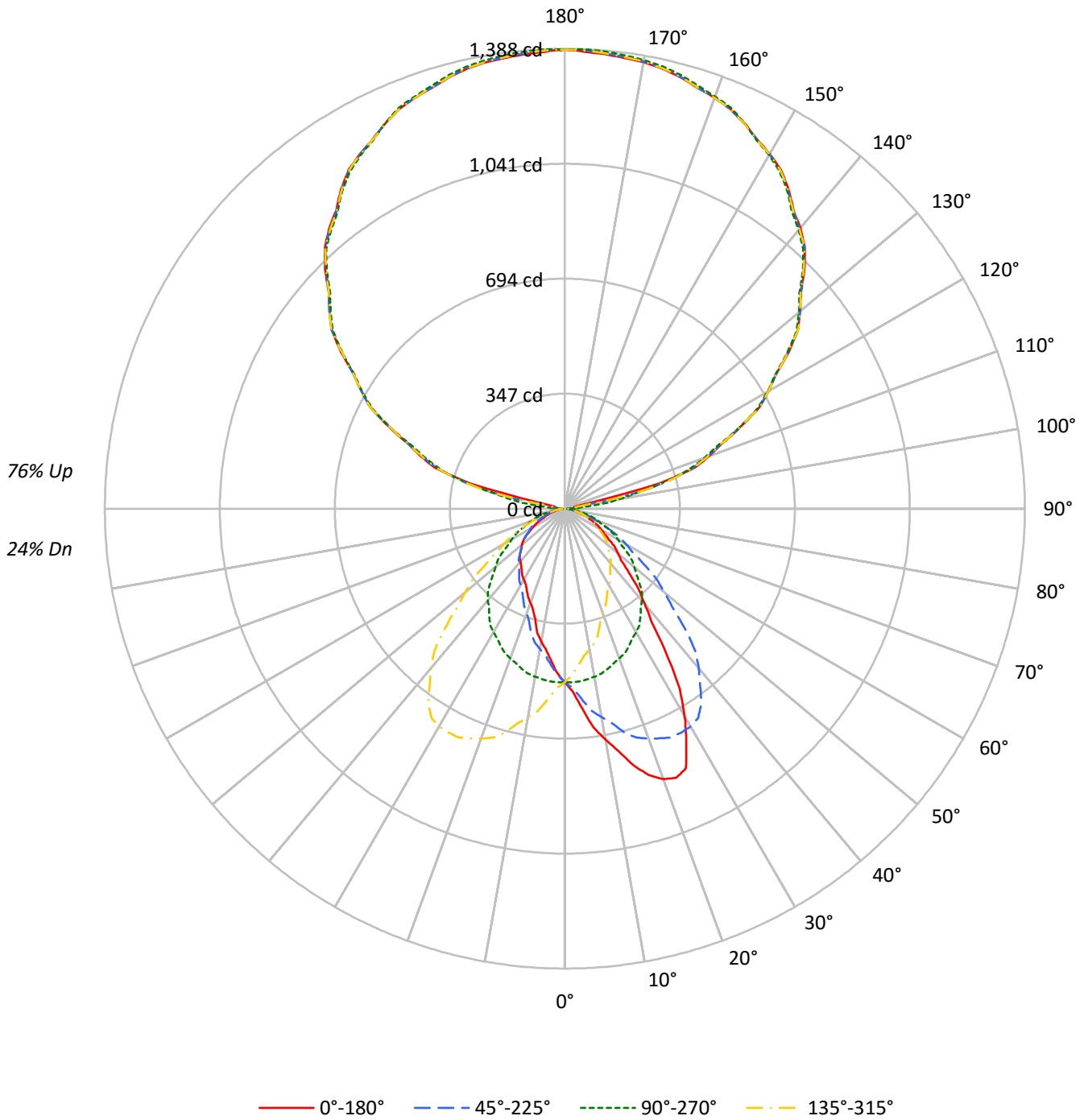
Lumens per Lamp: N/A
Luminaire Lumens: 5613.2 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 42.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	101	101	101	101	90	90	90	90	69	69	69	50	50	50	32	32	32	24				24
1	92	88	84	81	82	78	75	73	60	58	57	44	43	41	28	28	27				20	
2	84	77	71	66	74	69	64	60	53	50	47	39	37	35	25	24	23				17	
3	77	68	61	55	68	61	55	50	47	43	40	34	32	30	23	21	20				15	
4	70	60	53	47	62	54	47	43	42	37	34	31	28	26	20	19	17				13	
5	64	53	46	40	57	48	41	36	37	33	29	27	24	22	18	17	15				11	
6	59	48	40	35	52	43	36	32	34	29	25	25	22	19	17	15	13				10	
7	55	43	35	30	48	39	32	28	30	26	22	23	19	17	15	13	12				9	
8	51	39	32	27	45	35	29	24	28	23	20	21	17	15	14	12	11				8	
9	47	35	28	23	42	32	26	21	25	21	17	19	16	14	13	11	10				7	
10	44	32	25	21	39	29	23	19	23	19	16	17	14	12	12	10	9				7	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4229	4229	4229	4229
5°	4905	4241	3749	4241
10°	5802	4223	3345	4223
15°	6702	4184	2875	4184
20°	7462	4130	2600	4130
25°	7704	4077	2414	4077
30°	6743	4013	2302	4013
35°	5249	3918	2234	3918
40°	3936	3810	2197	3810
45°	3108	3635	2177	3635
50°	2624	3435	2115	3435
55°	2287	3215	2001	3215
60°	2057	2985	1773	2985
65°	1815	2737	1524	2737
70°	1633	2481	1374	2481
75°	1369	2196	1170	2196
80°	1158	1874	1097	1874
85°	973	1473	973	1473



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.8	0.9
10°-20°	153.1	2.7
20°-30°	239.4	4.3
30°-40°	266.2	4.7
40°-50°	236.2	4.2
50°-60°	184.0	3.3
60°-70°	120.5	2.1
70°-80°	59.3	1.1
80°-90°	18.6	0.3
90°-100°	47.4	0.8
100°-110°	302.1	5.4
110°-120°	577.9	10.3
120°-130°	733.6	13.1
130°-140°	784.9	14.0
140°-150°	734.0	13.1
150°-160°	591.9	10.5
160°-170°	381.8	6.8
170°-180°	131.6	2.3
0°-30°	443.3	7.9
0°-40°	709.5	12.6
0°-60°	1129.7	20.1
0°-90°	1328.0	23.7
90°-120°	927.4	16.5
90°-150°	3179.9	56.7
90°-180°	4285.0	76.3
0°-180°	5613.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	524	524	524	524	524	
5°	605	523	463	523	605	61
15°	802	501	344	501	802	228
25°	865	458	271	458	865	384
35°	533	398	227	398	533	334
45°	272	318	191	318	272	216
55°	162	228	142	228	162	148
65°	95	143	80	143	95	96
75°	44	70	38	70	44	48
85°	10	16	10	16	10	13
90°	31	3	31	3	31	14
95°	30	57	30	57	30	24
105°	295	312	295	312	295	258
115°	586	582	586	582	586	580
125°	825	818	825	818	825	734
135°	1023	1015	1023	1015	1023	787
145°	1177	1171	1177	1171	1177	736
155°	1283	1284	1283	1284	1283	591
165°	1348	1354	1348	1354	1348	381
175°	1377	1385	1377	1385	1377	131
180°	1385	1385	1385	1385	1385	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8
2.5°	552.5	554.0	552.5	552.3	550.6	550.1	549.5	547.2	543.2	540.8	541.4
5°	605.3	610.6	607.6	607.2	602.5	597.9	594.9	588.2	580.9	576.1	572.1
7.5°	666.3	669.3	667.4	664.5	657.0	652.7	645.9	637.0	624.1	614.3	605.3
10°	707.8	710.3	709.5	704.0	698.6	687.3	681.0	668.6	652.3	639.4	627.4
12.5°	748.7	751.4	744.0	744.2	733.8	725.0	715.0	699.3	680.6	664.0	648.9
15°	801.9	798.5	798.5	794.3	782.7	770.5	760.2	743.7	720.1	700.3	679.3
17.5°	843.6	844.8	843.1	833.1	824.0	811.4	792.4	773.2	751.3	724.6	703.3
20°	868.6	868.6	866.7	860.0	848.2	834.6	814.2	793.3	765.4	738.6	714.6
22.5°	878.8	879.4	877.2	871.6	861.0	847.8	830.4	809.1	780.4	750.3	720.5
25°	864.9	868.9	869.2	867.8	864.6	856.6	841.6	819.9	794.2	761.4	729.3
27.5°	794.0	799.1	803.5	810.8	820.6	825.5	826.3	815.2	792.7	761.3	729.0
30°	723.4	727.6	741.4	759.3	773.2	785.9	796.9	799.9	787.2	758.9	725.0
32.5°	645.1	650.9	664.6	683.9	707.0	728.5	753.1	765.7	765.4	748.4	717.0
35°	532.6	536.9	549.6	569.8	597.6	629.5	668.6	698.9	719.6	718.2	698.9
37.5°	429.6	434.4	447.1	464.0	491.0	530.4	568.2	610.1	648.3	669.8	663.3
40°	373.5	373.7	386.2	403.5	428.8	463.2	504.4	550.8	593.4	628.3	635.0
42.5°	329.3	329.3	337.6	356.2	374.4	406.8	446.1	492.2	542.2	582.4	600.2
45°	272.2	274.1	280.9	292.0	306.4	333.9	365.3	408.1	464.0	511.8	541.5
47.5°	230.5	233.4	237.6	246.7	258.2	276.4	302.5	341.0	386.5	438.9	481.3
50°	208.9	209.4	214.8	219.9	229.8	244.4	267.2	299.3	341.1	391.5	438.5
52.5°	190.4	190.3	193.6	200.0	208.0	219.4	237.8	267.0	304.1	349.3	397.9
55°	162.5	163.5	166.1	171.1	177.3	185.3	199.8	221.8	250.9	289.5	333.7
57.5°	141.3	141.9	143.8	146.0	151.6	157.5	168.4	183.6	208.1	239.8	280.9
60°	127.4	127.7	128.3	131.4	135.9	141.4	148.8	161.7	182.4	211.2	243.8
62.5°	114.0	114.3	115.3	117.6	121.1	124.8	132.6	142.9	160.1	184.8	214.0
65°	95.0	95.1	96.7	97.5	100.2	103.6	109.3	116.3	128.1	148.8	170.9
67.5°	79.4	79.4	79.5	80.6	82.5	84.7	88.1	93.7	102.6	115.3	134.8
70°	69.2	69.2	69.6	70.3	71.3	73.2	75.2	79.4	85.9	96.2	111.2
72.5°	59.7	59.9	60.4	60.5	61.0	62.6	64.0	66.7	71.5	79.4	91.5
75°	43.9	44.5	45.6	46.5	47.5	47.3	48.8	50.5	51.9	56.5	63.5
77.5°	32.6	32.4	32.5	33.2	33.3	33.5	34.6	35.8	37.0	39.1	41.6
80°	24.9	24.9	25.5	25.8	25.5	25.8	26.8	27.5	27.8	28.7	31.0
82.5°	18.8	19.2	19.0	19.2	19.3	19.5	20.4	20.5	21.0	21.3	22.2
85°	10.5	10.8	11.0	10.5	10.5	10.5	11.0	11.1	11.6	11.4	11.9
87.5°	9.9	9.6	9.7	9.6	9.7	9.4	9.3	9.4	8.7	8.6	8.2
90°	31.1	30.6	30.1	29.7	29.2	28.4	26.9	25.6	24.2	22.8	21.0
92.5°	28.6	28.5	28.4	28.4	28.3	27.5	26.1	24.7	23.4	21.9	20.2
95°	30.1	29.8	29.6	29.3	29.2	28.4	26.9	25.6	24.2	22.8	22.6
97.5°	29.0	28.8	28.5	28.4	28.1	27.9	27.7	27.6	27.5	27.4	53.1
100°	29.0	28.8	28.5	28.4	28.1	30.0	33.9	37.7	41.6	45.6	77.4
102.5°	29.9	29.8	29.8	29.7	29.7	50.7	93.0	135.2	177.5	219.6	223.8
105°	295.3	303.6	311.8	320.1	328.4	331.5	329.5	327.4	325.4	323.2	322.1
107.5°	411.5	410.6	409.8	408.9	408.0	407.1	406.1	405.1	404.0	403.1	401.4
110°	462.1	461.5	460.7	460.0	459.3	458.8	458.3	457.9	457.4	456.9	455.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	512.6	511.8	511.0	510.1	509.2	508.8	508.9	509.0	509.1	509.2	508.5
115°	586.5	586.5	586.5	586.5	586.5	586.2	585.8	585.3	584.9	584.3	584.6
117.5°	661.5	661.6	661.6	661.7	661.8	661.9	662.0	662.1	662.2	662.3	661.8
120°	708.7	709.2	709.6	710.1	710.5	710.5	710.1	709.6	709.2	708.7	708.9
122.5°	755.1	755.5	756.1	756.5	757.0	757.1	756.8	756.5	756.3	756.0	755.6
125°	824.7	824.6	824.3	824.0	823.9	823.4	822.7	822.0	821.3	820.6	821.1
127.5°	885.9	886.1	886.3	886.4	886.6	886.8	886.9	887.1	887.2	887.3	886.3
130°	927.3	927.3	927.3	927.3	927.3	927.2	927.0	926.8	926.5	926.3	925.6
132.5°	965.5	965.6	965.8	966.0	966.2	966.2	966.0	965.7	965.5	965.3	964.4
135°	1022.6	1022.2	1021.7	1021.3	1020.8	1020.4	1019.8	1019.4	1019.0	1018.5	1017.6
137.5°	1071.6	1071.7	1071.8	1072.0	1072.1	1071.9	1071.4	1070.9	1070.4	1069.9	1068.9
140°	1105.5	1105.3	1105.1	1104.8	1104.7	1104.2	1103.5	1102.8	1102.1	1101.4	1100.9
142.5°	1133.7	1133.7	1133.6	1133.6	1133.5	1133.3	1132.7	1132.3	1131.8	1131.2	1131.0
145°	1177.1	1176.6	1176.1	1175.6	1175.2	1174.8	1174.7	1174.4	1174.2	1173.9	1173.9
147.5°	1212.9	1212.6	1212.5	1212.2	1211.9	1211.7	1211.6	1211.4	1211.2	1211.0	1211.2
150°	1236.1	1235.9	1235.6	1235.4	1235.2	1235.0	1235.0	1235.0	1235.0	1235.0	1235.3
152.5°	1256.0	1256.2	1256.2	1256.4	1256.5	1256.4	1256.1	1255.7	1255.4	1255.0	1255.4
155°	1282.7	1283.4	1284.1	1284.8	1285.5	1285.4	1284.4	1283.5	1282.6	1281.7	1282.4
157.5°	1305.1	1306.3	1307.5	1308.7	1309.9	1309.9	1308.7	1307.5	1306.3	1305.1	1305.9
160°	1320.0	1321.4	1322.8	1324.2	1325.5	1325.5	1324.2	1322.8	1321.4	1320.0	1320.3
162.5°	1331.6	1333.2	1334.8	1336.3	1337.9	1338.0	1336.6	1335.2	1333.8	1332.5	1332.7
165°	1348.0	1350.1	1352.1	1354.2	1356.3	1356.4	1354.6	1352.7	1350.9	1349.1	1349.1
167.5°	1360.2	1362.5	1364.9	1367.2	1369.4	1369.6	1367.5	1365.6	1363.5	1361.5	1361.6
170°	1367.7	1370.0	1372.3	1374.6	1376.9	1377.2	1375.3	1373.4	1371.6	1369.8	1369.5
172.5°	1371.8	1374.3	1376.8	1379.3	1381.8	1382.1	1380.3	1378.4	1376.5	1374.8	1374.5
175°	1377.0	1379.7	1382.5	1385.3	1388.0	1388.4	1386.3	1384.3	1382.2	1380.1	1379.9
177.5°	1380.4	1382.5	1384.7	1387.0	1389.2	1389.6	1388.0	1386.6	1385.1	1383.7	1383.3
180°	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8
2.5°	539.7	537.3	536.1	533.4	530.2	528.5	527.0	524.8	521.9	518.9	516.7
5°	567.0	562.0	555.6	548.0	541.4	534.8	529.1	523.3	516.8	510.1	503.4
7.5°	595.1	585.2	574.4	562.0	549.9	538.9	528.7	519.1	508.1	498.2	489.3
10°	614.7	601.3	586.3	570.4	554.6	540.9	527.4	515.1	501.7	489.6	479.5
12.5°	630.6	614.7	596.7	577.0	557.9	541.4	525.8	509.9	494.5	481.5	468.0
15°	656.9	635.3	611.0	587.3	562.7	540.0	519.2	500.6	483.0	464.7	451.8
17.5°	675.1	649.3	619.7	591.4	562.2	535.6	511.5	489.4	469.1	450.4	435.1
20°	685.9	657.4	624.6	592.4	559.6	531.2	505.2	480.7	459.9	439.6	423.7
22.5°	692.0	660.4	624.6	590.8	557.0	526.1	497.7	472.2	449.4	429.1	411.6
25°	693.9	660.1	623.7	584.8	547.7	515.0	485.4	457.7	432.4	412.1	393.6
27.5°	691.2	651.4	614.0	574.2	535.8	501.4	470.4	441.3	416.0	394.2	375.1
30°	687.2	644.5	604.4	563.0	524.2	491.1	458.3	430.5	404.1	381.6	362.4
32.5°	678.3	636.1	592.9	550.5	511.2	477.1	446.0	418.0	392.2	369.1	348.7
35°	660.9	618.1	571.3	527.8	489.2	453.7	424.6	397.6	372.9	348.2	326.7
37.5°	638.0	594.3	547.7	500.1	461.4	427.9	401.3	375.9	351.8	329.2	305.4
40°	616.4	576.6	528.4	481.2	441.5	409.2	384.5	361.5	337.2	314.9	291.1
42.5°	590.3	556.3	507.7	460.2	421.1	389.9	366.9	344.5	322.4	300.7	275.8
45°	546.6	520.8	475.3	429.7	390.2	359.4	338.3	318.4	299.1	278.4	254.9
47.5°	496.5	479.1	439.8	393.1	356.6	328.9	308.4	292.2	275.8	255.1	234.6
50°	461.7	450.6	412.6	370.0	335.1	309.6	288.7	273.5	259.8	240.0	221.6
52.5°	424.6	418.7	386.6	345.8	312.2	287.1	269.3	255.7	241.7	225.2	208.1
55°	368.0	371.2	344.0	308.7	277.1	256.0	239.8	228.4	216.5	202.6	189.3
57.5°	310.2	321.8	303.5	272.6	242.9	223.4	211.2	201.6	191.6	180.1	168.7
60°	275.6	285.3	275.0	247.7	221.8	203.7	192.3	184.9	175.0	164.4	155.8
62.5°	241.8	252.3	246.1	224.1	200.0	184.4	174.3	167.5	160.1	150.9	141.9
65°	199.5	206.2	203.2	188.1	170.9	157.7	148.4	143.3	136.5	129.8	121.8
67.5°	152.8	165.8	164.1	156.0	141.2	130.8	124.8	120.3	114.1	109.1	103.7
70°	125.6	137.6	137.4	130.8	122.8	113.2	108.9	105.1	99.6	94.8	90.3
72.5°	102.8	113.8	115.5	110.4	105.0	97.6	93.5	91.0	85.6	82.3	78.6
75°	72.0	80.0	82.1	82.1	79.5	75.8	72.1	70.4	66.7	63.8	61.6
77.5°	47.2	52.3	55.6	56.3	56.7	55.4	52.4	51.3	48.3	47.3	45.3
80°	33.3	36.7	40.5	41.8	42.8	42.4	41.2	40.3	37.5	36.5	35.7
82.5°	23.0	24.9	28.0	30.9	30.5	31.7	30.5	29.9	27.7	27.4	26.6
85°	12.0	12.2	12.7	14.5	15.6	16.1	16.2	15.9	15.2	15.2	13.7
87.5°	7.8	7.3	7.3	6.9	6.5	6.7	6.7	6.3	6.3	6.3	6.3
90°	19.1	17.3	15.4	13.2	10.7	8.2	5.6	3.1	5.6	8.2	10.7
92.5°	18.3	16.4	14.6	13.6	13.5	13.4	13.2	13.0	13.2	13.4	13.5
95°	22.3	22.1	21.8	25.7	33.5	41.3	49.1	57.0	49.1	41.3	33.5
97.5°	78.7	104.4	130.1	140.5	135.6	130.8	125.9	121.0	125.9	130.8	135.6
100°	109.1	140.9	172.7	186.5	182.4	178.3	174.1	170.0	174.1	178.3	182.4
102.5°	227.9	232.1	236.2	236.7	233.7	230.7	227.7	224.6	227.7	230.7	233.7
105°	320.9	319.9	318.7	317.4	316.0	314.6	313.3	311.8	313.3	314.6	316.0
107.5°	399.9	398.3	396.8	395.7	394.9	394.3	393.6	392.9	393.6	394.3	394.9
110°	454.1	452.8	451.4	450.4	449.7	449.0	448.3	447.6	448.3	449.0	449.7



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	507.8	507.2	506.6	505.6	504.4	503.1	501.9	500.7	501.9	503.1	504.4
115°	584.9	585.1	585.3	585.1	584.3	583.7	583.0	582.3	583.0	583.7	584.3
117.5°	661.3	660.8	660.2	659.5	658.6	657.7	656.7	655.9	656.7	657.7	658.6
120°	709.2	709.4	709.6	709.3	708.4	707.5	706.5	705.6	706.5	707.5	708.4
122.5°	755.3	755.0	754.7	754.2	753.7	753.1	752.6	752.0	752.6	753.1	753.7
125°	821.5	822.0	822.4	822.2	821.3	820.4	819.5	818.5	819.5	820.4	821.3
127.5°	885.2	884.1	883.1	882.4	882.3	882.0	881.7	881.5	881.7	882.0	882.3
130°	924.9	924.3	923.5	923.1	922.8	922.7	922.4	922.1	922.4	922.7	922.8
132.5°	963.5	962.6	961.8	961.1	960.7	960.3	959.8	959.5	959.8	960.3	960.7
135°	1016.6	1015.7	1014.9	1014.5	1014.7	1014.9	1015.2	1015.4	1015.2	1014.9	1014.7
137.5°	1067.9	1066.8	1065.9	1065.3	1065.2	1065.1	1065.1	1065.0	1065.1	1065.1	1065.2
140°	1100.5	1100.0	1099.6	1099.1	1098.7	1098.1	1097.7	1097.3	1097.7	1098.1	1098.7
142.5°	1130.7	1130.4	1130.2	1129.6	1128.7	1127.9	1127.1	1126.2	1127.1	1127.9	1128.7
145°	1173.9	1173.9	1173.9	1173.6	1172.9	1172.2	1171.5	1170.8	1171.5	1172.2	1172.9
147.5°	1211.5	1211.7	1211.9	1211.4	1210.1	1208.8	1207.6	1206.2	1207.6	1208.8	1210.1
150°	1235.6	1235.7	1236.0	1235.6	1234.8	1233.8	1232.9	1232.0	1232.9	1233.8	1234.8
152.5°	1255.8	1256.2	1256.6	1256.4	1255.7	1255.0	1254.3	1253.5	1254.3	1255.0	1255.7
155°	1283.1	1283.8	1284.4	1284.7	1284.4	1284.2	1284.0	1283.8	1284.0	1284.2	1284.4
157.5°	1306.7	1307.4	1308.2	1308.7	1308.9	1308.9	1309.1	1309.2	1309.1	1308.9	1308.9
160°	1320.4	1320.7	1321.0	1321.4	1322.1	1322.8	1323.5	1324.2	1323.5	1322.8	1322.1
162.5°	1332.9	1333.1	1333.4	1333.9	1334.8	1335.7	1336.6	1337.4	1336.6	1335.7	1334.8
165°	1349.1	1349.1	1349.1	1349.6	1350.8	1351.9	1353.1	1354.2	1353.1	1351.9	1350.8
167.5°	1361.7	1361.9	1362.0	1362.7	1363.9	1365.1	1366.3	1367.4	1366.3	1365.1	1363.9
170°	1369.3	1369.0	1368.9	1369.4	1370.8	1372.2	1373.6	1374.9	1373.6	1372.2	1370.8
172.5°	1374.3	1374.0	1373.8	1374.4	1375.7	1377.2	1378.5	1379.9	1378.5	1377.2	1375.7
175°	1379.7	1379.4	1379.2	1379.7	1381.2	1382.5	1383.9	1385.3	1383.9	1382.5	1381.2
177.5°	1382.9	1382.5	1382.2	1382.6	1383.9	1385.2	1386.5	1387.8	1386.5	1385.2	1383.9
180°	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8
2.5°	514.3	512.6	510.5	507.9	504.9	502.2	501.0	502.0	502.6	501.1	501.0
5°	498.6	493.4	489.2	482.9	477.8	473.6	470.6	469.3	469.8	466.4	465.6
7.5°	481.1	474.8	467.9	460.4	453.4	447.2	444.0	442.2	438.5	437.0	434.4
10°	469.8	461.4	454.6	445.7	437.7	430.3	426.7	423.7	420.2	418.5	414.9
12.5°	458.2	448.4	440.9	431.7	423.5	414.6	411.2	405.7	400.1	396.5	391.9
15°	441.7	429.9	420.8	409.8	400.1	390.0	380.9	370.8	367.0	359.0	354.4
17.5°	422.5	410.5	399.3	384.6	369.6	357.0	347.3	337.6	331.8	326.7	324.3
20°	409.8	398.9	383.3	366.1	349.5	335.6	327.7	321.4	315.0	311.5	309.0
22.5°	397.9	383.8	365.7	347.2	330.6	319.7	313.1	306.6	301.4	298.0	294.6
25°	377.7	359.4	340.2	319.1	307.7	298.2	291.1	285.7	282.6	278.1	276.4
27.5°	357.1	334.8	313.7	299.5	287.7	278.9	272.7	268.8	264.7	261.9	259.7
30°	341.3	318.7	299.7	286.1	274.1	267.0	261.9	257.3	254.0	251.7	250.1
32.5°	325.6	303.0	287.0	272.5	263.0	256.0	250.6	247.1	244.6	241.7	240.6
35°	302.8	282.8	268.9	255.7	246.1	239.8	235.5	231.9	229.8	229.0	228.4
37.5°	281.0	264.6	249.6	238.9	230.2	225.2	220.3	218.5	217.0	215.5	216.2
40°	267.2	251.7	238.4	227.1	220.1	214.6	211.7	209.6	208.3	208.3	208.3
42.5°	255.2	240.1	227.1	217.0	210.0	205.4	202.1	200.3	199.8	199.7	200.7
45°	236.6	222.7	209.6	201.1	195.2	190.6	188.7	187.2	187.2	188.1	188.2
47.5°	218.1	205.1	194.6	185.1	179.7	176.8	175.1	174.4	174.5	175.3	176.3
50°	206.8	193.9	183.6	175.1	170.1	167.4	165.9	165.4	165.9	165.9	167.4
52.5°	194.5	183.0	172.8	165.7	160.0	157.4	156.6	156.0	156.2	156.9	157.6
55°	176.5	166.1	156.4	149.6	145.4	143.7	141.8	142.0	141.6	142.0	142.0
57.5°	158.3	149.0	140.0	134.6	130.9	128.5	126.4	127.0	126.4	126.3	125.9
60°	146.7	136.5	129.4	124.5	120.3	118.2	116.3	116.7	116.1	115.7	114.8
62.5°	134.0	125.6	118.7	114.0	110.7	108.3	106.3	105.9	104.4	103.0	101.1
65°	115.7	108.7	102.5	98.2	95.0	93.1	91.6	90.3	87.1	83.8	82.1
67.5°	97.8	92.7	87.0	83.3	80.7	78.3	75.4	73.3	70.4	68.5	67.4
70°	86.3	81.5	76.6	73.0	70.3	67.9	64.8	63.3	61.2	60.4	59.3
72.5°	75.3	70.8	66.3	63.0	60.2	58.3	55.8	54.4	53.4	53.1	52.1
75°	58.7	55.1	51.7	48.8	46.5	45.1	44.1	43.1	42.6	40.8	39.7
77.5°	42.8	40.4	38.3	36.2	34.6	33.7	31.7	30.5	29.8	28.9	28.6
80°	33.3	31.7	29.5	28.3	25.9	25.1	24.3	24.1	23.8	23.6	23.5
82.5°	25.1	23.4	21.3	20.5	19.9	19.4	18.9	18.6	18.5	18.5	18.5
85°	12.7	11.9	11.9	11.6	11.4	11.1	11.0	11.0	10.8	11.0	10.8
87.5°	6.9	7.1	7.5	7.6	8.1	8.5	8.6	8.8	9.3	9.2	9.4
90°	13.2	15.4	17.3	19.1	21.0	22.8	24.2	25.6	26.9	28.4	29.2
92.5°	13.6	14.6	16.4	18.3	20.2	21.9	23.4	24.7	26.1	27.5	28.3
95°	25.7	21.8	22.1	22.3	22.6	22.8	24.2	25.6	26.9	28.4	29.2
97.5°	140.5	130.1	104.4	78.7	53.1	27.4	27.5	27.6	27.7	27.9	28.1
100°	186.5	172.7	140.9	109.1	77.4	45.6	41.6	37.7	33.9	30.0	28.1
102.5°	236.7	236.2	232.1	227.9	223.8	219.6	177.5	135.2	93.0	50.7	29.7
105°	317.4	318.7	319.9	320.9	322.1	323.2	325.4	327.4	329.5	331.5	328.4
107.5°	395.7	396.8	398.3	399.9	401.4	403.1	404.0	405.1	406.1	407.1	408.0
110°	450.4	451.4	452.8	454.1	455.6	456.9	457.4	457.9	458.3	458.8	459.3



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	505.6	506.6	507.2	507.8	508.5	509.2	509.1	509.0	508.9	508.8	509.2
115°	585.1	585.3	585.1	584.9	584.6	584.3	584.9	585.3	585.8	586.2	586.5
117.5°	659.5	660.2	660.8	661.3	661.8	662.3	662.2	662.1	662.0	661.9	661.8
120°	709.3	709.6	709.4	709.2	708.9	708.7	709.2	709.6	710.1	710.5	710.5
122.5°	754.2	754.7	755.0	755.3	755.6	756.0	756.3	756.5	756.8	757.1	757.0
125°	822.2	822.4	822.0	821.5	821.1	820.6	821.3	822.0	822.7	823.4	823.9
127.5°	882.4	883.1	884.1	885.2	886.3	887.3	887.2	887.1	886.9	886.8	886.6
130°	923.1	923.5	924.3	924.9	925.6	926.3	926.5	926.8	927.0	927.2	927.3
132.5°	961.1	961.8	962.6	963.5	964.4	965.3	965.5	965.7	966.0	966.2	966.2
135°	1014.5	1014.9	1015.7	1016.6	1017.6	1018.5	1019.0	1019.4	1019.8	1020.4	1020.8
137.5°	1065.3	1065.9	1066.8	1067.9	1068.9	1069.9	1070.4	1070.9	1071.4	1071.9	1072.1
140°	1099.1	1099.6	1100.0	1100.5	1100.9	1101.4	1102.1	1102.8	1103.5	1104.2	1104.7
142.5°	1129.6	1130.2	1130.4	1130.7	1131.0	1131.2	1131.8	1132.3	1132.7	1133.3	1133.5
145°	1173.6	1173.9	1173.9	1173.9	1173.9	1173.9	1174.2	1174.4	1174.7	1174.8	1175.2
147.5°	1211.4	1211.9	1211.7	1211.5	1211.2	1211.0	1211.2	1211.4	1211.6	1211.7	1211.9
150°	1235.6	1236.0	1235.7	1235.6	1235.3	1235.0	1235.0	1235.0	1235.0	1235.0	1235.2
152.5°	1256.4	1256.6	1256.2	1255.8	1255.4	1255.0	1255.4	1255.7	1256.1	1256.4	1256.5
155°	1284.7	1284.4	1283.8	1283.1	1282.4	1281.7	1282.6	1283.5	1284.4	1285.4	1285.5
157.5°	1308.7	1308.2	1307.4	1306.7	1305.9	1305.1	1306.3	1307.5	1308.7	1309.9	1309.9
160°	1321.4	1321.0	1320.7	1320.4	1320.3	1320.0	1321.4	1322.8	1324.2	1325.5	1325.5
162.5°	1333.9	1333.4	1333.1	1332.9	1332.7	1332.5	1333.8	1335.2	1336.6	1338.0	1337.9
165°	1349.6	1349.1	1349.1	1349.1	1349.1	1349.1	1350.9	1352.7	1354.6	1356.4	1356.3
167.5°	1362.7	1362.0	1361.9	1361.7	1361.6	1361.5	1363.5	1365.6	1367.5	1369.6	1369.4
170°	1369.4	1368.9	1369.0	1369.3	1369.5	1369.8	1371.6	1373.4	1375.3	1377.2	1376.9
172.5°	1374.4	1373.8	1374.0	1374.3	1374.5	1374.8	1376.5	1378.4	1380.3	1382.1	1381.8
175°	1379.7	1379.2	1379.4	1379.7	1379.9	1380.1	1382.2	1384.3	1386.3	1388.4	1388.0
177.5°	1382.6	1382.2	1382.5	1382.9	1383.3	1383.7	1385.1	1386.6	1388.0	1389.6	1389.2
180°	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8
2.5°	500.0	500.3	499.2	498.8	499.2	500.3	500.0	501.0	501.1	502.6	502.0
5°	463.9	463.4	462.4	462.6	462.4	463.4	463.9	465.6	466.4	469.8	469.3
7.5°	432.9	431.3	431.8	430.1	431.8	431.3	432.9	434.4	437.0	438.5	442.2
10°	414.0	411.7	409.8	408.1	409.8	411.7	414.0	414.9	418.5	420.2	423.7
12.5°	388.3	386.2	383.7	384.1	383.7	386.2	388.3	391.9	396.5	400.1	405.7
15°	351.6	348.4	343.4	344.0	343.4	348.4	351.6	354.4	359.0	367.0	370.8
17.5°	320.6	320.6	318.3	318.9	318.3	320.6	320.6	324.3	326.7	331.8	337.6
20°	304.5	303.1	303.3	302.6	303.3	303.1	304.5	309.0	311.5	315.0	321.4
22.5°	293.4	291.6	290.1	288.8	290.1	291.6	293.4	294.6	298.0	301.4	306.6
25°	274.6	273.3	271.4	271.0	271.4	273.3	274.6	276.4	278.1	282.6	285.7
27.5°	258.0	257.8	257.0	256.0	257.0	257.8	258.0	259.7	261.9	264.7	268.8
30°	248.4	248.0	247.5	246.9	247.5	248.0	248.4	250.1	251.7	254.0	257.3
32.5°	239.8	239.5	239.1	239.2	239.1	239.5	239.8	240.6	241.7	244.6	247.1
35°	227.5	227.3	226.9	226.7	226.9	227.3	227.5	228.4	229.0	229.8	231.9
37.5°	216.1	216.6	216.3	216.2	216.3	216.6	216.1	216.2	215.5	217.0	218.5
40°	208.1	208.3	208.7	208.5	208.7	208.3	208.1	208.3	208.3	208.3	209.6
42.5°	201.5	201.5	202.2	201.4	202.2	201.5	201.5	200.7	199.7	199.8	200.3
45°	189.8	191.0	190.7	190.7	190.7	191.0	189.8	188.2	188.1	187.2	187.2
47.5°	176.8	178.0	178.3	178.2	178.3	178.0	176.8	176.3	175.3	174.5	174.4
50°	168.4	168.0	168.6	168.4	168.6	168.0	168.4	167.4	165.9	165.9	165.4
52.5°	158.1	158.2	158.2	157.9	158.2	158.2	158.1	157.6	156.9	156.2	156.0
55°	142.2	142.5	142.0	142.2	142.0	142.5	142.2	142.0	142.0	141.6	142.0
57.5°	125.0	124.0	124.4	123.9	124.4	124.0	125.0	125.9	126.3	126.4	127.0
60°	112.7	111.0	110.6	109.8	110.6	111.0	112.7	114.8	115.7	116.1	116.7
62.5°	98.9	97.6	96.2	96.9	96.2	97.6	98.9	101.1	103.0	104.4	105.9
65°	80.4	79.5	78.9	79.8	78.9	79.5	80.4	82.1	83.8	87.1	90.3
67.5°	66.5	66.1	66.1	65.7	66.1	66.1	66.5	67.4	68.5	70.4	73.3
70°	59.3	58.7	58.7	58.2	58.7	58.7	59.3	59.3	60.4	61.2	63.3
72.5°	51.9	51.3	51.5	51.2	51.5	51.3	51.9	52.1	53.1	53.4	54.4
75°	38.4	37.4	37.4	37.5	37.4	37.4	38.4	39.7	40.8	42.6	43.1
77.5°	28.6	28.4	28.7	28.4	28.7	28.4	28.6	28.6	28.9	29.8	30.5
80°	23.5	23.2	23.0	23.6	23.0	23.2	23.5	23.5	23.6	23.8	24.1
82.5°	18.2	18.2	18.1	18.9	18.1	18.2	18.2	18.5	18.5	18.5	18.6
85°	11.0	10.5	11.0	10.5	11.0	10.5	11.0	10.8	11.0	10.8	11.0
87.5°	9.8	9.7	9.6	9.9	9.6	9.7	9.8	9.4	9.2	9.3	8.8
90°	29.7	30.1	30.6	31.1	30.6	30.1	29.7	29.2	28.4	26.9	25.6
92.5°	28.4	28.4	28.5	28.6	28.5	28.4	28.4	28.3	27.5	26.1	24.7
95°	29.3	29.6	29.8	30.1	29.8	29.6	29.3	29.2	28.4	26.9	25.6
97.5°	28.4	28.5	28.8	29.0	28.8	28.5	28.4	28.1	27.9	27.7	27.6
100°	28.4	28.5	28.8	29.0	28.8	28.5	28.4	28.1	30.0	33.9	37.7
102.5°	29.7	29.8	29.8	29.9	29.8	29.8	29.7	29.7	50.7	93.0	135.2
105°	320.1	311.8	303.6	295.3	303.6	311.8	320.1	328.4	331.5	329.5	327.4
107.5°	408.9	409.8	410.6	411.5	410.6	409.8	408.9	408.0	407.1	406.1	405.1
110°	460.0	460.7	461.5	462.1	461.5	460.7	460.0	459.3	458.8	458.3	457.9



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CATALOG NUMBER: SA4XXRDIP-C350D1205U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	510.1	511.0	511.8	512.6	511.8	511.0	510.1	509.2	508.8	508.9	509.0
115°	586.5	586.5	586.5	586.5	586.5	586.5	586.5	586.5	586.2	585.8	585.3
117.5°	661.7	661.6	661.6	661.5	661.6	661.6	661.7	661.8	661.9	662.0	662.1
120°	710.1	709.6	709.2	708.7	709.2	709.6	710.1	710.5	710.5	710.1	709.6
122.5°	756.5	756.1	755.5	755.1	755.5	756.1	756.5	757.0	757.1	756.8	756.5
125°	824.0	824.3	824.6	824.7	824.6	824.3	824.0	823.9	823.4	822.7	822.0
127.5°	886.4	886.3	886.1	885.9	886.1	886.3	886.4	886.6	886.8	886.9	887.1
130°	927.3	927.3	927.3	927.3	927.3	927.3	927.3	927.3	927.2	927.0	926.8
132.5°	966.0	965.8	965.6	965.5	965.6	965.8	966.0	966.2	966.2	966.0	965.7
135°	1021.3	1021.7	1022.2	1022.6	1022.2	1021.7	1021.3	1020.8	1020.4	1019.8	1019.4
137.5°	1072.0	1071.8	1071.7	1071.6	1071.7	1071.8	1072.0	1072.1	1071.9	1071.4	1070.9
140°	1104.8	1105.1	1105.3	1105.5	1105.3	1105.1	1104.8	1104.7	1104.2	1103.5	1102.8
142.5°	1133.6	1133.6	1133.7	1133.7	1133.7	1133.6	1133.6	1133.5	1133.3	1132.7	1132.3
145°	1175.6	1176.1	1176.6	1177.1	1176.6	1176.1	1175.6	1175.2	1174.8	1174.7	1174.4
147.5°	1212.2	1212.5	1212.6	1212.9	1212.6	1212.5	1212.2	1211.9	1211.7	1211.6	1211.4
150°	1235.4	1235.6	1235.9	1236.1	1235.9	1235.6	1235.4	1235.2	1235.0	1235.0	1235.0
152.5°	1256.4	1256.2	1256.2	1256.0	1256.2	1256.2	1256.4	1256.5	1256.4	1256.1	1255.7
155°	1284.8	1284.1	1283.4	1282.7	1283.4	1284.1	1284.8	1285.5	1285.4	1284.4	1283.5
157.5°	1308.7	1307.5	1306.3	1305.1	1306.3	1307.5	1308.7	1309.9	1309.9	1308.7	1307.5
160°	1324.2	1322.8	1321.4	1320.0	1321.4	1322.8	1324.2	1325.5	1325.5	1324.2	1322.8
162.5°	1336.3	1334.8	1333.2	1331.6	1333.2	1334.8	1336.3	1337.9	1338.0	1336.6	1335.2
165°	1354.2	1352.1	1350.1	1348.0	1350.1	1352.1	1354.2	1356.3	1356.4	1354.6	1352.7
167.5°	1367.2	1364.9	1362.5	1360.2	1362.5	1364.9	1367.2	1369.4	1369.6	1367.5	1365.6
170°	1374.6	1372.3	1370.0	1367.7	1370.0	1372.3	1374.6	1376.9	1377.2	1375.3	1373.4
172.5°	1379.3	1376.8	1374.3	1371.8	1374.3	1376.8	1379.3	1381.8	1382.1	1380.3	1378.4
175°	1385.3	1382.5	1379.7	1377.0	1379.7	1382.5	1385.3	1388.0	1388.4	1386.3	1384.3
177.5°	1387.0	1384.7	1382.5	1380.4	1382.5	1384.7	1387.0	1389.2	1389.6	1388.0	1386.6
180°	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8
2.5°	501.0	502.2	504.9	507.9	510.5	512.6	514.3	516.7	518.9	521.9	524.8
5°	470.6	473.6	477.8	482.9	489.2	493.4	498.6	503.4	510.1	516.8	523.3
7.5°	444.0	447.2	453.4	460.4	467.9	474.8	481.1	489.3	498.2	508.1	519.1
10°	426.7	430.3	437.7	445.7	454.6	461.4	469.8	479.5	489.6	501.7	515.1
12.5°	411.2	414.6	423.5	431.7	440.9	448.4	458.2	468.0	481.5	494.5	509.9
15°	380.9	390.0	400.1	409.8	420.8	429.9	441.7	451.8	464.7	483.0	500.6
17.5°	347.3	357.0	369.6	384.6	399.3	410.5	422.5	435.1	450.4	469.1	489.4
20°	327.7	335.6	349.5	366.1	383.3	398.9	409.8	423.7	439.6	459.9	480.7
22.5°	313.1	319.7	330.6	347.2	365.7	383.8	397.9	411.6	429.1	449.4	472.2
25°	291.1	298.2	307.7	319.1	340.2	359.4	377.7	393.6	412.1	432.4	457.7
27.5°	272.7	278.9	287.7	299.5	313.7	334.8	357.1	375.1	394.2	416.0	441.3
30°	261.9	267.0	274.1	286.1	299.7	318.7	341.3	362.4	381.6	404.1	430.5
32.5°	250.6	256.0	263.0	272.5	287.0	303.0	325.6	348.7	369.1	392.2	418.0
35°	235.5	239.8	246.1	255.7	268.9	282.8	302.8	326.7	348.2	372.9	397.6
37.5°	220.3	225.2	230.2	238.9	249.6	264.6	281.0	305.4	329.2	351.8	375.9
40°	211.7	214.6	220.1	227.1	238.4	251.7	267.2	291.1	314.9	337.2	361.5
42.5°	202.1	205.4	210.0	217.0	227.1	240.1	255.2	275.8	300.7	322.4	344.5
45°	188.7	190.6	195.2	201.1	209.6	222.7	236.6	254.9	278.4	299.1	318.4
47.5°	175.1	176.8	179.7	185.1	194.6	205.1	218.1	234.6	255.1	275.8	292.2
50°	165.9	167.4	170.1	175.1	183.6	193.9	206.8	221.6	240.0	259.8	273.5
52.5°	156.6	157.4	160.0	165.7	172.8	183.0	194.5	208.1	225.2	241.7	255.7
55°	141.8	143.7	145.4	149.6	156.4	166.1	176.5	189.3	202.6	216.5	228.4
57.5°	126.4	128.5	130.9	134.6	140.0	149.0	158.3	168.7	180.1	191.6	201.6
60°	116.3	118.2	120.3	124.5	129.4	136.5	146.7	155.8	164.4	175.0	184.9
62.5°	106.3	108.3	110.7	114.0	118.7	125.6	134.0	141.9	150.9	160.1	167.5
65°	91.6	93.1	95.0	98.2	102.5	108.7	115.7	121.8	129.8	136.5	143.3
67.5°	75.4	78.3	80.7	83.3	87.0	92.7	97.8	103.7	109.1	114.1	120.3
70°	64.8	67.9	70.3	73.0	76.6	81.5	86.3	90.3	94.8	99.6	105.1
72.5°	55.8	58.3	60.2	63.0	66.3	70.8	75.3	78.6	82.3	85.6	91.0
75°	44.1	45.1	46.5	48.8	51.7	55.1	58.7	61.6	63.8	66.7	70.4
77.5°	31.7	33.7	34.6	36.2	38.3	40.4	42.8	45.3	47.3	48.3	51.3
80°	24.3	25.1	25.9	28.3	29.5	31.7	33.3	35.7	36.5	37.5	40.3
82.5°	18.9	19.4	19.9	20.5	21.3	23.4	25.1	26.6	27.4	27.7	29.9
85°	11.0	11.1	11.4	11.6	11.9	11.9	12.7	13.7	15.2	15.2	15.9
87.5°	8.6	8.5	8.1	7.6	7.5	7.1	6.9	6.3	6.3	6.3	6.3
90°	24.2	22.8	21.0	19.1	17.3	15.4	13.2	10.7	8.2	5.6	3.1
92.5°	23.4	21.9	20.2	18.3	16.4	14.6	13.6	13.5	13.4	13.2	13.0
95°	24.2	22.8	22.6	22.3	22.1	21.8	25.7	33.5	41.3	49.1	57.0
97.5°	27.5	27.4	53.1	78.7	104.4	130.1	140.5	135.6	130.8	125.9	121.0
100°	41.6	45.6	77.4	109.1	140.9	172.7	186.5	182.4	178.3	174.1	170.0
102.5°	177.5	219.6	223.8	227.9	232.1	236.2	236.7	233.7	230.7	227.7	224.6
105°	325.4	323.2	322.1	320.9	319.9	318.7	317.4	316.0	314.6	313.3	311.8
107.5°	404.0	403.1	401.4	399.9	398.3	396.8	395.7	394.9	394.3	393.6	392.9
110°	457.4	456.9	455.6	454.1	452.8	451.4	450.4	449.7	449.0	448.3	447.6



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	509.1	509.2	508.5	507.8	507.2	506.6	505.6	504.4	503.1	501.9	500.7
115°	584.9	584.3	584.6	584.9	585.1	585.3	585.1	584.3	583.7	583.0	582.3
117.5°	662.2	662.3	661.8	661.3	660.8	660.2	659.5	658.6	657.7	656.7	655.9
120°	709.2	708.7	708.9	709.2	709.4	709.6	709.3	708.4	707.5	706.5	705.6
122.5°	756.3	756.0	755.6	755.3	755.0	754.7	754.2	753.7	753.1	752.6	752.0
125°	821.3	820.6	821.1	821.5	822.0	822.4	822.2	821.3	820.4	819.5	818.5
127.5°	887.2	887.3	886.3	885.2	884.1	883.1	882.4	882.3	882.0	881.7	881.5
130°	926.5	926.3	925.6	924.9	924.3	923.5	923.1	922.8	922.7	922.4	922.1
132.5°	965.5	965.3	964.4	963.5	962.6	961.8	961.1	960.7	960.3	959.8	959.5
135°	1019.0	1018.5	1017.6	1016.6	1015.7	1014.9	1014.5	1014.7	1014.9	1015.2	1015.4
137.5°	1070.4	1069.9	1068.9	1067.9	1066.8	1065.9	1065.3	1065.2	1065.1	1065.1	1065.0
140°	1102.1	1101.4	1100.9	1100.5	1100.0	1099.6	1099.1	1098.7	1098.1	1097.7	1097.3
142.5°	1131.8	1131.2	1131.0	1130.7	1130.4	1130.2	1129.6	1128.7	1127.9	1127.1	1126.2
145°	1174.2	1173.9	1173.9	1173.9	1173.9	1173.9	1173.6	1172.9	1172.2	1171.5	1170.8
147.5°	1211.2	1211.0	1211.2	1211.5	1211.7	1211.9	1211.4	1210.1	1208.8	1207.6	1206.2
150°	1235.0	1235.0	1235.3	1235.6	1235.7	1236.0	1235.6	1234.8	1233.8	1232.9	1232.0
152.5°	1255.4	1255.0	1255.4	1255.8	1256.2	1256.6	1256.4	1255.7	1255.0	1254.3	1253.5
155°	1282.6	1281.7	1282.4	1283.1	1283.8	1284.4	1284.7	1284.4	1284.2	1284.0	1283.8
157.5°	1306.3	1305.1	1305.9	1306.7	1307.4	1308.2	1308.7	1308.9	1308.9	1309.1	1309.2
160°	1321.4	1320.0	1320.3	1320.4	1320.7	1321.0	1321.4	1322.1	1322.8	1323.5	1324.2
162.5°	1333.8	1332.5	1332.7	1332.9	1333.1	1333.4	1333.9	1334.8	1335.7	1336.6	1337.4
165°	1350.9	1349.1	1349.1	1349.1	1349.1	1349.1	1349.6	1350.8	1351.9	1353.1	1354.2
167.5°	1363.5	1361.5	1361.6	1361.7	1361.9	1362.0	1362.7	1363.9	1365.1	1366.3	1367.4
170°	1371.6	1369.8	1369.5	1369.3	1369.0	1368.9	1369.4	1370.8	1372.2	1373.6	1374.9
172.5°	1376.5	1374.8	1374.5	1374.3	1374.0	1373.8	1374.4	1375.7	1377.2	1378.5	1379.9
175°	1382.2	1380.1	1379.9	1379.7	1379.4	1379.2	1379.7	1381.2	1382.5	1383.9	1385.3
177.5°	1385.1	1383.7	1383.3	1382.9	1382.5	1382.2	1382.6	1383.9	1385.2	1386.5	1387.8
180°	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8	523.8
2.5°	527.0	528.5	530.2	533.4	536.1	537.3	539.7	541.4	540.8	543.2	547.2
5°	529.1	534.8	541.4	548.0	555.6	562.0	567.0	572.1	576.1	580.9	588.2
7.5°	528.7	538.9	549.9	562.0	574.4	585.2	595.1	605.3	614.3	624.1	637.0
10°	527.4	540.9	554.6	570.4	586.3	601.3	614.7	627.4	639.4	652.3	668.6
12.5°	525.8	541.4	557.9	577.0	596.7	614.7	630.6	648.9	664.0	680.6	699.3
15°	519.2	540.0	562.7	587.3	611.0	635.3	656.9	679.3	700.3	720.1	743.7
17.5°	511.5	535.6	562.2	591.4	619.7	649.3	675.1	703.3	724.6	751.3	773.2
20°	505.2	531.2	559.6	592.4	624.6	657.4	685.9	714.6	738.6	765.4	793.3
22.5°	497.7	526.1	557.0	590.8	624.6	660.4	692.0	720.5	750.3	780.4	809.1
25°	485.4	515.0	547.7	584.8	623.7	660.1	693.9	729.3	761.4	794.2	819.9
27.5°	470.4	501.4	535.8	574.2	614.0	651.4	691.2	729.0	761.3	792.7	815.2
30°	458.3	491.1	524.2	563.0	604.4	644.5	687.2	725.0	758.9	787.2	799.9
32.5°	446.0	477.1	511.2	550.5	592.9	636.1	678.3	717.0	748.4	765.4	765.7
35°	424.6	453.7	489.2	527.8	571.3	618.1	660.9	698.9	718.2	719.6	698.9
37.5°	401.3	427.9	461.4	500.1	547.7	594.3	638.0	663.3	669.8	648.3	610.1
40°	384.5	409.2	441.5	481.2	528.4	576.6	616.4	635.0	628.3	593.4	550.8
42.5°	366.9	389.9	421.1	460.2	507.7	556.3	590.3	600.2	582.4	542.2	492.2
45°	338.3	359.4	390.2	429.7	475.3	520.8	546.6	541.5	511.8	464.0	408.1
47.5°	308.4	328.9	356.6	393.1	439.8	479.1	496.5	481.3	438.9	386.5	341.0
50°	288.7	309.6	335.1	370.0	412.6	450.6	461.7	438.5	391.5	341.1	299.3
52.5°	269.3	287.1	312.2	345.8	386.6	418.7	424.6	397.9	349.3	304.1	267.0
55°	239.8	256.0	277.1	308.7	344.0	371.2	368.0	333.7	289.5	250.9	221.8
57.5°	211.2	223.4	242.9	272.6	303.5	321.8	310.2	280.9	239.8	208.1	183.6
60°	192.3	203.7	221.8	247.7	275.0	285.3	275.6	243.8	211.2	182.4	161.7
62.5°	174.3	184.4	200.0	224.1	246.1	252.3	241.8	214.0	184.8	160.1	142.9
65°	148.4	157.7	170.9	188.1	203.2	206.2	199.5	170.9	148.8	128.1	116.3
67.5°	124.8	130.8	141.2	156.0	164.1	165.8	152.8	134.8	115.3	102.6	93.7
70°	108.9	113.2	122.8	130.8	137.4	137.6	125.6	111.2	96.2	85.9	79.4
72.5°	93.5	97.6	105.0	110.4	115.5	113.8	102.8	91.5	79.4	71.5	66.7
75°	72.1	75.8	79.5	82.1	82.1	80.0	72.0	63.5	56.5	51.9	50.5
77.5°	52.4	55.4	56.7	56.3	55.6	52.3	47.2	41.6	39.1	37.0	35.8
80°	41.2	42.4	42.8	41.8	40.5	36.7	33.3	31.0	28.7	27.8	27.5
82.5°	30.5	31.7	30.5	30.9	28.0	24.9	23.0	22.2	21.3	21.0	20.5
85°	16.2	16.1	15.6	14.5	12.7	12.2	12.0	11.9	11.4	11.6	11.1
87.5°	6.7	6.7	6.5	6.9	7.3	7.3	7.8	8.2	8.6	8.7	9.4
90°	5.6	8.2	10.7	13.2	15.4	17.3	19.1	21.0	22.8	24.2	25.6
92.5°	13.2	13.4	13.5	13.6	14.6	16.4	18.3	20.2	21.9	23.4	24.7
95°	49.1	41.3	33.5	25.7	21.8	22.1	22.3	22.6	22.8	24.2	25.6
97.5°	125.9	130.8	135.6	140.5	130.1	104.4	78.7	53.1	27.4	27.5	27.6
100°	174.1	178.3	182.4	186.5	172.7	140.9	109.1	77.4	45.6	41.6	37.7
102.5°	227.7	230.7	233.7	236.7	236.2	232.1	227.9	223.8	219.6	177.5	135.2
105°	313.3	314.6	316.0	317.4	318.7	319.9	320.9	322.1	323.2	325.4	327.4
107.5°	393.6	394.3	394.9	395.7	396.8	398.3	399.9	401.4	403.1	404.0	405.1
110°	448.3	449.0	449.7	450.4	451.4	452.8	454.1	455.6	456.9	457.4	457.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	501.9	503.1	504.4	505.6	506.6	507.2	507.8	508.5	509.2	509.1	509.0
115°	583.0	583.7	584.3	585.1	585.3	585.1	584.9	584.6	584.3	584.9	585.3
117.5°	656.7	657.7	658.6	659.5	660.2	660.8	661.3	661.8	662.3	662.2	662.1
120°	706.5	707.5	708.4	709.3	709.6	709.4	709.2	708.9	708.7	709.2	709.6
122.5°	752.6	753.1	753.7	754.2	754.7	755.0	755.3	755.6	756.0	756.3	756.5
125°	819.5	820.4	821.3	822.2	822.4	822.0	821.5	821.1	820.6	821.3	822.0
127.5°	881.7	882.0	882.3	882.4	883.1	884.1	885.2	886.3	887.3	887.2	887.1
130°	922.4	922.7	922.8	923.1	923.5	924.3	924.9	925.6	926.3	926.5	926.8
132.5°	959.8	960.3	960.7	961.1	961.8	962.6	963.5	964.4	965.3	965.5	965.7
135°	1015.2	1014.9	1014.7	1014.5	1014.9	1015.7	1016.6	1017.6	1018.5	1019.0	1019.4
137.5°	1065.1	1065.1	1065.2	1065.3	1065.9	1066.8	1067.9	1068.9	1069.9	1070.4	1070.9
140°	1097.7	1098.1	1098.7	1099.1	1099.6	1100.0	1100.5	1100.9	1101.4	1102.1	1102.8
142.5°	1127.1	1127.9	1128.7	1129.6	1130.2	1130.4	1130.7	1131.0	1131.2	1131.8	1132.3
145°	1171.5	1172.2	1172.9	1173.6	1173.9	1173.9	1173.9	1173.9	1173.9	1174.2	1174.4
147.5°	1207.6	1208.8	1210.1	1211.4	1211.9	1211.7	1211.5	1211.2	1211.0	1211.2	1211.4
150°	1232.9	1233.8	1234.8	1235.6	1236.0	1235.7	1235.6	1235.3	1235.0	1235.0	1235.0
152.5°	1254.3	1255.0	1255.7	1256.4	1256.6	1256.2	1255.8	1255.4	1255.0	1255.4	1255.7
155°	1284.0	1284.2	1284.4	1284.7	1284.4	1283.8	1283.1	1282.4	1281.7	1282.6	1283.5
157.5°	1309.1	1308.9	1308.9	1308.7	1308.2	1307.4	1306.7	1305.9	1305.1	1306.3	1307.5
160°	1323.5	1322.8	1322.1	1321.4	1321.0	1320.7	1320.4	1320.3	1320.0	1321.4	1322.8
162.5°	1336.6	1335.7	1334.8	1333.9	1333.4	1333.1	1332.9	1332.7	1332.5	1333.8	1335.2
165°	1353.1	1351.9	1350.8	1349.6	1349.1	1349.1	1349.1	1349.1	1349.1	1350.9	1352.7
167.5°	1366.3	1365.1	1363.9	1362.7	1362.0	1361.9	1361.7	1361.6	1361.5	1363.5	1365.6
170°	1373.6	1372.2	1370.8	1369.4	1368.9	1369.0	1369.3	1369.5	1369.8	1371.6	1373.4
172.5°	1378.5	1377.2	1375.7	1374.4	1373.8	1374.0	1374.3	1374.5	1374.8	1376.5	1378.4
175°	1383.9	1382.5	1381.2	1379.7	1379.2	1379.4	1379.7	1379.9	1380.1	1382.2	1384.3
177.5°	1386.5	1385.2	1383.9	1382.6	1382.2	1382.5	1382.9	1383.3	1383.7	1385.1	1386.6
180°	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	523.8	523.8	523.8	523.8	523.8	523.8	523.8
2.5°	549.5	550.1	550.6	552.3	552.5	554.0	552.5
5°	594.9	597.9	602.5	607.2	607.6	610.6	605.3
7.5°	645.9	652.7	657.0	664.5	667.4	669.3	666.3
10°	681.0	687.3	698.6	704.0	709.5	710.3	707.8
12.5°	715.0	725.0	733.8	744.2	744.0	751.4	748.7
15°	760.2	770.5	782.7	794.3	798.5	798.5	801.9
17.5°	792.4	811.4	824.0	833.1	843.1	844.8	843.6
20°	814.2	834.6	848.2	860.0	866.7	868.6	868.6
22.5°	830.4	847.8	861.0	871.6	877.2	879.4	878.8
25°	841.6	856.6	864.6	867.8	869.2	868.9	864.9
27.5°	826.3	825.5	820.6	810.8	803.5	799.1	794.0
30°	796.9	785.9	773.2	759.3	741.4	727.6	723.4
32.5°	753.1	728.5	707.0	683.9	664.6	650.9	645.1
35°	668.6	629.5	597.6	569.8	549.6	536.9	532.6
37.5°	568.2	530.4	491.0	464.0	447.1	434.4	429.6
40°	504.4	463.2	428.8	403.5	386.2	373.7	373.5
42.5°	446.1	406.8	374.4	356.2	337.6	329.3	329.3
45°	365.3	333.9	306.4	292.0	280.9	274.1	272.2
47.5°	302.5	276.4	258.2	246.7	237.6	233.4	230.5
50°	267.2	244.4	229.8	219.9	214.8	209.4	208.9
52.5°	237.8	219.4	208.0	200.0	193.6	190.3	190.4
55°	199.8	185.3	177.3	171.1	166.1	163.5	162.5
57.5°	168.4	157.5	151.6	146.0	143.8	141.9	141.3
60°	148.8	141.4	135.9	131.4	128.3	127.7	127.4
62.5°	132.6	124.8	121.1	117.6	115.3	114.3	114.0
65°	109.3	103.6	100.2	97.5	96.7	95.1	95.0
67.5°	88.1	84.7	82.5	80.6	79.5	79.4	79.4
70°	75.2	73.2	71.3	70.3	69.6	69.2	69.2
72.5°	64.0	62.6	61.0	60.5	60.4	59.9	59.7
75°	48.8	47.3	47.5	46.5	45.6	44.5	43.9
77.5°	34.6	33.5	33.3	33.2	32.5	32.4	32.6
80°	26.8	25.8	25.5	25.8	25.5	24.9	24.9
82.5°	20.4	19.5	19.3	19.2	19.0	19.2	18.8
85°	11.0	10.5	10.5	10.5	11.0	10.8	10.5
87.5°	9.3	9.4	9.7	9.6	9.7	9.6	9.9
90°	26.9	28.4	29.2	29.7	30.1	30.6	31.1
92.5°	26.1	27.5	28.3	28.4	28.4	28.5	28.6
95°	26.9	28.4	29.2	29.3	29.6	29.8	30.1
97.5°	27.7	27.9	28.1	28.4	28.5	28.8	29.0
100°	33.9	30.0	28.1	28.4	28.5	28.8	29.0
102.5°	93.0	50.7	29.7	29.7	29.8	29.8	29.9
105°	329.5	331.5	328.4	320.1	311.8	303.6	295.3
107.5°	406.1	407.1	408.0	408.9	409.8	410.6	411.5
110°	458.3	458.8	459.3	460.0	460.7	461.5	462.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	508.9	508.8	509.2	510.1	511.0	511.8	512.6
115°	585.8	586.2	586.5	586.5	586.5	586.5	586.5
117.5°	662.0	661.9	661.8	661.7	661.6	661.6	661.5
120°	710.1	710.5	710.5	710.1	709.6	709.2	708.7
122.5°	756.8	757.1	757.0	756.5	756.1	755.5	755.1
125°	822.7	823.4	823.9	824.0	824.3	824.6	824.7
127.5°	886.9	886.8	886.6	886.4	886.3	886.1	885.9
130°	927.0	927.2	927.3	927.3	927.3	927.3	927.3
132.5°	966.0	966.2	966.2	966.0	965.8	965.6	965.5
135°	1019.8	1020.4	1020.8	1021.3	1021.7	1022.2	1022.6
137.5°	1071.4	1071.9	1072.1	1072.0	1071.8	1071.7	1071.6
140°	1103.5	1104.2	1104.7	1104.8	1105.1	1105.3	1105.5
142.5°	1132.7	1133.3	1133.5	1133.6	1133.6	1133.7	1133.7
145°	1174.7	1174.8	1175.2	1175.6	1176.1	1176.6	1177.1
147.5°	1211.6	1211.7	1211.9	1212.2	1212.5	1212.6	1212.9
150°	1235.0	1235.0	1235.2	1235.4	1235.6	1235.9	1236.1
152.5°	1256.1	1256.4	1256.5	1256.4	1256.2	1256.2	1256.0
155°	1284.4	1285.4	1285.5	1284.8	1284.1	1283.4	1282.7
157.5°	1308.7	1309.9	1309.9	1308.7	1307.5	1306.3	1305.1
160°	1324.2	1325.5	1325.5	1324.2	1322.8	1321.4	1320.0
162.5°	1336.6	1338.0	1337.9	1336.3	1334.8	1333.2	1331.6
165°	1354.6	1356.4	1356.3	1354.2	1352.1	1350.1	1348.0
167.5°	1367.5	1369.6	1369.4	1367.2	1364.9	1362.5	1360.2
170°	1375.3	1377.2	1376.9	1374.6	1372.3	1370.0	1367.7
172.5°	1380.3	1382.1	1381.8	1379.3	1376.8	1374.3	1371.8
175°	1386.3	1388.4	1388.0	1385.3	1382.5	1379.7	1377.0
177.5°	1388.0	1389.6	1389.2	1387.0	1384.7	1382.5	1380.4
180°	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3

(END OF REPORT)